SAFETY INFORMATION

- Read all documentation before operating your equipment. Retain all documentation for future reference.
- Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
- Do not spill water or other liquids into or on the unit.
- Make sure power outlets conform to the power requirements listed on the back of the unit.
- Do not use the unit if the electrical power cord is frayed or broken.
- Always operate the unit with the AC ground wire connected to the electrical system ground.
- Have gain controls on amplifiers turned down during power-up to prevent speaker damage if there are high signal levels at the inputs.
- Do not connect the inputs / outputs of amplifiers or consoles to any other voltage source, such as a battery, mains source, or power supply, regardless of whether the amplifier or console is turned on or off.
- Power down & disconnect units from mains voltage before making connections.
- Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
- Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may distort the normal flow of air around the unit. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of dust.
- Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages.
- Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
- Do not run the output of any amplifier back into another input.
- Do not ground the red output terminal, never connect a red output terminal to another red output terminal.
- In case of mal-function this device should be serviced by qualified service personnel only.

CAUTION

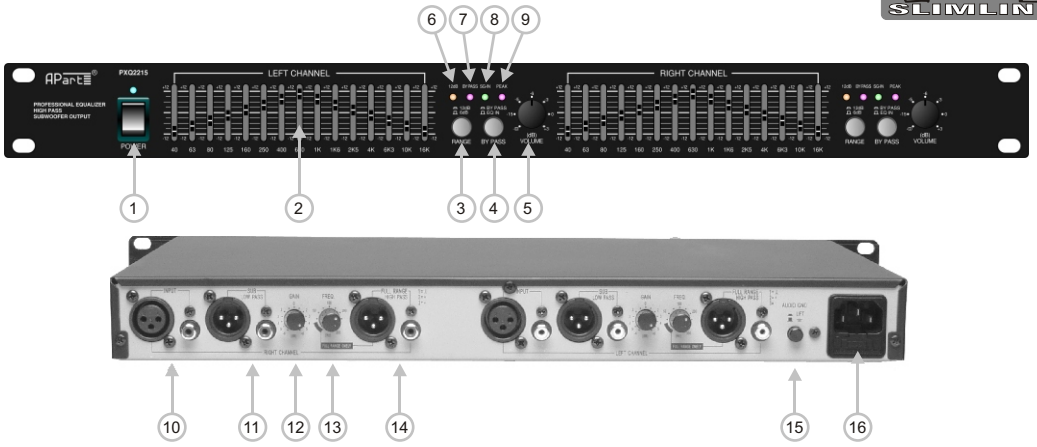
TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER OR BACK
NO USER-SERVICEABLE PARTS INSIDE
SERVICING ONLY FOR QUALIFIED PERSONNEL

APart EQUALIZER & X-OVER

PXQ2215

PXQ2215	
Type	2 X 15, 2/3 & 1/3 ocatve combined
X-over	35 - 400Hz adjustable
	24dB/oct Linkwitz - Riley
Control range	+/- 6dB or 12dB selectable
Inputs	Balanced XLR 20Kohm, RCA cinch 15Kohm
Outputs	Sub out / High pass fullrange out : XLR balanced + RCA cinch
Distortion	0.02% (at 1KHz all sliders at center)
Frequency Response	20 Hz to 50KHz
Signal to noise ratio	>93dB
Dimensions (H x W x D):	44 X 483 X 280 MM
Weight	Net. 2.8 Kg

OWNER'S MANUAL



1. Power switch
To turn the unit ON or OFF, press the upper or lower part of this button. The LED above the switch will light to indicate that the unit is ON.
2. Filter level controls
Each one of these linear potentiometers will boost or attenuate (+/-6dB or +/-12dB) the selected frequency at a preset bandwith. When all sliders are in the centre position, the output of the equalizer is flat response.
3. Range switch
This button switches the gain range of the filter potentiometer bewteen +/-6dB and +/-12dB, led (6) will be illuminated.
4. Bypass switch
This switch inserts or removes the equalizer channel path. If bypass, the bypass led (7) will be illuminated to indicate it is in bypass mode. When bypassed, the input signal is routed directly to the cross-over section.
5. Volume
This control sets the signal level of the equalizer.
If there is a signal present at the inputs led (8) will be illuminated.
If the peak led (9) is lights up: turndown this control, lower your input level or reduce the boost level of the equalizer.
10. XLR & RCA inputs
The XLR connectors are actively balanced and are used to input / output the signal.
The RCA connectors are unbalanced.
11. SUB LOW PASS
XLR and RCA output connector. This is the low-frequency output, the cross over freq. can be adjusted with the FREQ (13) potentiometer. The gain of this output can be adjusted with the GAIN (12) potentiometer.
14. FULL RANGE / HIGH PASS
XLR and RCA output connector. When the FREQ (13) potentiometer is turned fully counterclockwise this output is a full range output. The FREQ (13) potentiometer can be adjusted to the desired frequency for cross-over operation.
In this way you have a two-way cross-over combined with an equalizer.
15. Ground lift switch
This switch is used to disconnect the signal ground from the main chassis earth. If it is determined that the PXQ2215 is the cause of humm & buzz in your system due to a ground loop, push this switch to the lift position.
16. Fuse holder / AC inlet
This connector is meant for the connection of the supplied main cord.
The fuse can only be changed by a qualified technician.

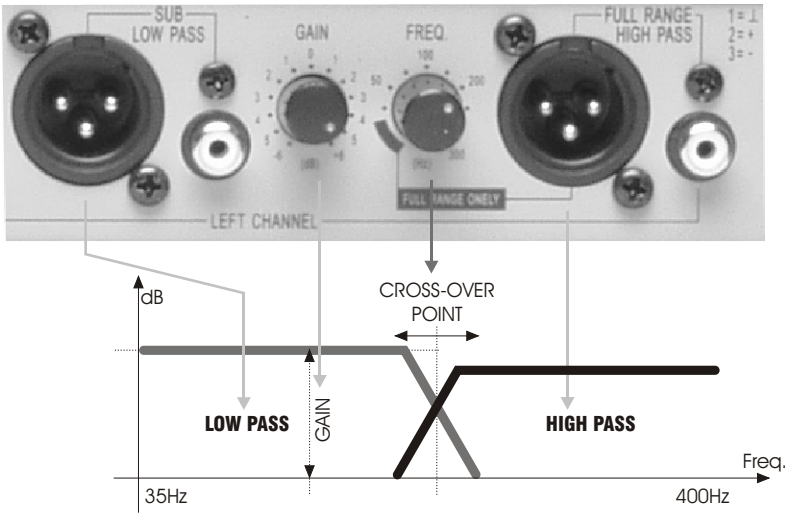
HUMM & BUZZ

• If 'Hum' or Buzz' occurs when connecting different inputs, then this is often caused by 'GROUND or EARTH LOOPS'.
If this is the case, press the audio ground lift (15) button.

APart EQUALIZER & X-OVER
SLIMLINE

SPECIAL FEATURES

• X-OVER

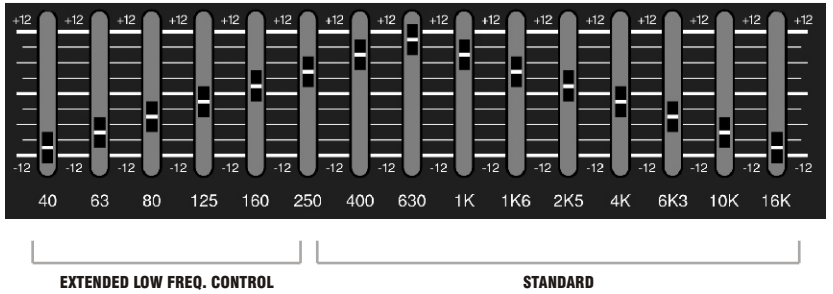


•1 When the FREQ (13) potentiometer is turned fully counterclockwise this output is a full range output.

•2 LOW PASS OUTPUT : This output s are used for subwoofers.
The FREQ (13) potentiometer can be adjusted to the desired frequency for cross-over operation.
In this way you have a two-way cross-over combined with an equalizer.
The output gain can be adjusted (+/-6dB) with the GAIN (10) button.
This to obtain the perfect balance between the low and high speakers.

•3 FULL RANGE / HIGH PASS OUTPUT : This output can also be used for driving small satellite speakers or horns.
Because horn or small speakers cannot reproduce low frequencies,
there is the need to filter these low frequencies out of the audio signal.
This can de done by selecting a low-cut freq. (g.e. 100Hz) with the freq. select potentiometer.
In the output signal (High pass) the freq. below 100Hz will be filtered out,
the signal is now safe to drive small speakers or horns.

• GRAPHIC EQUALIZER with more low-Freq. controls



Most of the room acoustic problems are caused by frequencies between 40 and 250 Hz.
In this region the PXQ2215 has more controls than a standard 15 bands equalizer.